

(Promega). Four copies of the VEGF target sites were inserted upstream of the SV40 promoter, which is driving the firefly luciferase gene, in the plasmid pGL3-Control to create pVFR1-4x. This plasmid contains the SV40 enhancer and expresses firefly luciferase to high levels in many cell types. Insertions were made by ligating together tandem copies of the two complementary 42-bp oligonucleotides, JVF9 and JVF10, described in Example II. Adaptor sequences were ligated on, and the assembly was inserted into the MluI/BglII sites of pGL3-Control. This resulted in the insertion of the following sequence between those sites:

ACGCGTaaagcttGCTAGCGAGCGGGGAGGATCGCGGAGGCTTGGGGCAGCCGGG  
TAGAGCGAGCGGGGAGGATCGCGGAGGCTTGGGGCAGCCGGGTAGAGCGAG  
CGGGGAGGATCGCGGAGGCTTGGGGCAGCCGGGTAGAGCGAGCGGGGAGGA  
TCGCGGAGGCTTGGGGCAGCCGGGTAGAGCGCTCAGaagcttAGATCT (SEQ ID  
NO:40).--

In the claims:

118. (Amended) A method of inhibiting expression of an endogenous cellular gene in a cell, the method comprising the step of:

contacting a first target site in the endogenous cellular gene with a first zinc finger protein, wherein said first zinc finger protein is engineered and wherein the Kd of the zinc finger protein is less than about 25 nM;

thereby inhibiting expression of the endogenous cellular gene.

141. (Amended) A method of activating expression of an endogenous cellular gene, the method comprising the step of:

contacting a first target site in the endogenous cellular gene with a first zinc finger protein, wherein said first zinc finger protein is engineered and wherein the Kd of the zinc

D 28  
cont  
finger protein is less than about 25 nM;

thereby activating expression of the endogenous cellular gene.

SUB E2  
cont  
163. (Amended) A method of modulating expression of an endogenous cellular gene in a cell, the method comprising the step of:

contacting a first target site in the endogenous cellular gene with a first zinc finger protein, wherein said first zinc finger protein is engineered;

thereby modulating expression of the endogenous cellular gene.

attached  
4/17/03 D 29  
SUB E3  
Attached hereto is a **version showing changes made to the** specification.

Additions are underlined and deletions are indicated using strike-outs. Also attached hereto is a **version showing changes made to the claims** (additions underlined and deletions bracketed) and a **currently pending claim set**.